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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Application Number	10/506,756
Nationalized Date	March 28, 2005
First Named Inventor	Kozlowski
Group Art Unit	1645
Examiner Name	Not Yet Assigned
Attorney Docket Number	27353-508 NATL

**U.S. PATENT DOCUMENTS**

Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate

**FOREIGN PATENT DOCUMENTS**

Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	English Yes No
/M.S./	B1	WO 00/54046	The Government of the USA	09/14/00	X
	B2	WO 01/57198	Sense Proteomics Ltd.	08/09/01	X
	B3	WO 01/62782	Shanghai Biowindow Gene Development, Inc.	08/30/01	X
	B4	WO 01/68869	Lexicon Genetics Incorporated	09/20/01	X

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
/M.S./	C1	Jan, L.Y. and Jan Y.N. (1997) Receptor-regulated ion channels. <i>Curr. Opin. Cell Biol.</i> 9(2): 155-60.
	C2	Trimmer, J.S. (1998) Regulation of ion channel expression by cytoplasmic subunits <i>Curr. Opin. Neurobiol.</i> 8: 370-374.
	C3	Perez-Garcia, M.T. et al., (1994) Functional properties of cardiac L-type calcium channels transiently expressed in HEK293 cells. Roles of alpha 1 and beta subunits <i>J. Gen. Physiol.</i> 105: 289-305.
	C4	Brady, A.E., Limbird, L.E. (2002) G protein-coupled receptor interacting proteins: Emerging roles in localization and signal transduction. <i>Cell Signal</i> 14(4): 297-309.
	C5	Ruiz-Velasco, V. Ikeda, S.R., Puhl, H.L. (2002) Cloning, tissue distribution, and functional expression of the human G protein (beta)4-subunit. <i>Physiol. Genomics</i> 8(1): 41-50.
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	C11	Wang, Z. et al, (1996) Comparison of Binding and Block Produced by Alternatively Spliced Kv $\beta$ 1 Subunits. <i>J. Biol. Chem.</i> , 271: 28311-28317.
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/Mark Shibuya/

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Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
/M.S.		of Auxiliary Subunits <i>Biophys. J.</i> 81: 89-96.
	C13	Strader, C.D. et al., (1994) Structure and function of G-protein-coupled receptors. <i>Annu. Rev. Biochem.</i> 63: 101-132.
	C14	Strader, C.D. et al., (1995) The family of G-protein-coupled receptors. <i>FASEB J.</i> 9: 745-754.
	C15	Tucker, S.J. and Ashcroft, F.M. (1999) Mapping of the physical interaction between the intracellular domains of an inwardly rectifying potassium channel, Kir6.2. <i>J. Biol. Chem.</i> 274: 33393-33397.
	C16	Yokoyama, C.T. et al. (1997) Phosphorylation of the synaptic protein interaction site on N-type calcium channels inhibits interactions with SNARE proteins. <i>J. Neurosci.</i> 17: 6929-6938.
	C17	Gelber, E. et al. (1999) Structure and function of the third intracellular loop of the 5-HT <sub>2A</sub> receptor: The third intracellular loop is $\alpha$ -helical and binds purified arrestins. <i>J. Neurochem.</i> 72(5): 2206-14
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	C20	Shieh, B-H and Zhu, M-Y (1996) Regulation of the TRP Ca <sup>+</sup> channel by INAD in Drosophila photoreceptors. <i>Neuron</i> 16: 991-998.
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	C23	Onrust, R., Herzmark, P. et al (1997) Receptor and $\beta$ binding sites in the $\alpha$ subunit of the retinal G-protein transducin. <i>Science</i> 275: 381-384.
	C24	Bourne, H.R. (1997) How receptors talk to trimeric G proteins. <i>Curr. Opin. Cell. Biol.</i> 9: 134-142.
	C25	Ferguson, S.S.G. (2001) Evolving concepts in G protein-coupled receptor endocytosis: The role in receptor desensitization and signaling. <i>Pharmacol. Rev.</i> , 53: 1-24.
	C26	Krupnick, J.G. et al., (1994) Arrestin-rhodopsin interaction. Multi-site binding delineated by peptide inhibition. <i>J. Biol. Chem.</i> 269: 3226-3232.
	C27	Nam, T-W et al., (2001) The <i>Escherichia coli</i> glucose transporter enzyme IICB <sup>Glc</sup> recruits the global repressor MIC. <i>EMBO J.</i> , 20: 491-498.
	C28	Zhang, J-Z et al., (2001) Overexpression of stomatin depresses GLUT-1 glucose transporter activity. <i>Am. J. Physiol. Cell. Physiol.</i> 280: C1277-C1283.
	C29	Le Bouter, S. et al., (2003) Microarray Analysis Reveals Complex Remodeling of Cardiac Ion Channel Expression with Altered Thyroid Status. <i>Circ. Res.</i> 92: 234-242.
↓	C30	Markert, J.M. et al., (2001) Differential gene expression profiling in human brain tumors. <i>Physiol. Genomics</i> 5: 21-33.

\*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_\_\_\_, filed \_\_\_\_\_, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature	/Mark Shibuya/	Date Considered	06/07/2007
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